

55104-65 EWT(d)/EWP(c)/EWA(d)/ENP(v)/ENP(k)/ENP(h)/ENP(t) Pf-4 JT

ACCESSION NR AP5017517

UR/0118/64/000/009/0055/0056

AUTHOR: Savel'yev, Ye. Ya.

70
31
B

TITLE: Prospects for the mechanization and automation of machine assembly

SOURCE: Mekhanizatsiya i avtomatizatsiya, no. 9, 1964, 55-56

TOPIC TAGS: mechanical engineering conference, mechanical engineering, automation, industrial automation, machine industry

ABSTRACT: The Second All-Union Scientific-Technological Conference on Mechanization and Automation of Assembly Processes in Machine Building was held in Moscow in May. It was sponsored by the Central Board of NTO (Scientific and Technological Society) of Mashprom (Machine Industries), the State Committee for Machine Building at the Gosplan (State Planning Commission) USSR, and the VDNKh (Exhibit of Achievements in the National Economy) USSR. The past experience was surveyed by the Head of the Technical Board of the State Committee for Machine Building V. I. SKOPTSOV. Cand. of Tech. Sci. N. P. NOVIKOV discussed general prospects for the further mechanization and automation of machine assembly in the light of the resolutions of the XXII Congress of the

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CPSU. Doctor of Engineering Sciences V. S. KORSAKOV spoke about development of the scientific basis for the automation of assembly processes, while Cand. of Tech. Sci. V. V. KOSILOV (NIItraktorosel'khozmash [Scientific-Research Institute for Tractors and Agricultural Machines])

discussed the problems of accuracy during automation of assembly processes.

Cand. of Tech. Sci. I. A. KLUSOV presented his paper "Block Diagrams and Assembly Lines." Eng. V. V. IVANOV spoke about the effects of the dimensional interrelations among parts for automatic assembly. Eng. V. S. ISAYEV spoke on studies of accuracies and automation, and Eng. A. I. ZHABIN reported on the mechanization of laborious adjustment operations.

Finally, the Main Specialist of the State Committee V. V. PANTELEYEV, reported about the fulfillment of the decisions of the First All-Union Conference. The Third Conference will be held in 1967-1968.

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L 55104-35

ACCESSION NR: AP5017517

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NR REF Sov: 000

OTHER: 000

JPRS

Card 3/3

PANYUKHIN, V.I., kand. tekhn. nauk; ALEKSANDROV, M. P., doktor
tekhn. nauk, retsenzent; SAVEL'YEV, Ye.Ya., red.

[Automatic brakes released by the engine of the mechanism]
Avtomatycheskie tormoza, razmykaemye dvigatelyem mekhanizma.
Moskva, Mashinostroenie, 1964. 93 p. (MIRA 17:9)

KUDRYASHOV, G.F., inzh.; CHEKMENEV, Ye.Ye., inzh.; NOVELL, N.V.,
kand. tekhn. nauk, retsenzent; SAVEL'YEV, Ye.Ya., red.

[Automated diesel electric power plants] Avtomatizirovannye dizel'nye elektroagregaty. Moskva, Izd-vo "Mashinostroenie," 1964. 350 p. (MIRA 17:5)

RUZIYEV, T.; SAVEL'YEV, Yu.

Under the iron heel of SEATO AND CENTO. Sov. profsoiuzy 20
no.4:40-41 F '64. (MIRA 17:3)

SKOTNIKOV, S.A.; SAVEL'YEV, Yu.A.

Device for the heating of specimens for spectrum analysis. Trudy
Inst. met. no.15:151-158 '63. (MIRA 16:9)
(Spectrum analysis) (Furnaces, Heating)

SKOTNIKOV, S.A.; SAVEL'YEV, Yu.A.

Device for the thermal analysis of metal specimens. Trudy Inst.
met. no.15:159-162 '63. (MIRA 16:9)
(Metals—Analysis) (Thermal analysis)

SAVEL'YEV, Yu. N.

S/121/62/000/002/002/004
D040/D113

AUTHORS: Lur'ye, G.B., Polyanskiy, P.M., Mazurkevich, V.V., Kudlakov, V.L.,
Savel'yev, Yu.N., and Fragin, I.Ye.

TITLE: Automation of cylindrical grinding machines

PERIODICAL: Stanki i instrument, no. 2, 1962, 16-21

TEXT: New units designed for automating model 3151, 3161 and 3152 cylindrical grinders are described. These units, also suitable for other grinders of this type, were developed by the Nauchno-issledovatel'skiy institut tehnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya (NIITrak-toro sel'khozmash) (Technological Scientific Research Institute of Tractor and Farming Machines) in conjunction with the Moskovskiy avtomekhanicheskiy institut (MAMI) (Moscow Automechanical Institute). A simple grinder equipped with such units is converted into an automatic plunge-cut grinder. The following operations are automated: installing and clamping the work; positioning the work at the side face of the grinding wheel; measuring the work prior to and during grinding, with automatic control commands; moving the grinding head at different speeds; unclamping and removing the work as

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Automation of cylindrical ...

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well as passing it on to the next machine; controlling the wheel dressing and the dressing process. The operation of individual automatic units is described, and the turning mechanism of an "automatic operator" with two gripping "hands", a self-clamping chuck, etc., is described. A grinder fitted with the units and set for grinding the necks of tractor track wheel axles is shown in a photograph. Reference is made to an automatic-control multicommand unit designed for controlling multistage grinding processes characteristic of modern grinding machines (Ref. 2: Izmeritel'noye ustroystvo dlya upravleniya dvizheniyem shlifoval'nogo baki krugloshlifoval'nogo stanka [Measuring device for controlling the motion of the grinding head of cylindrical grinders], Author's Certificate no. 123423, of 18.3.1959; Ref. 7: Polyanskiy, P.M.. Articles in the Symposium "Pribory i ustroystva aktivnogo kontrolya" ["Automatic Regulation Instruments and Devices"], Mashgiz, 1961). Foreign practice is referred to (British, Czechoslovakian, German) as regards grinding allowances and time losses caused by high allowances. The importance of automating Soviet grinders is stressed since most grinders still operate with hand-feed. There are 10 figures and 10 references: 8 Soviet-bloc and 2 non-Soviet bloc. The English-language reference is: "Time and Motion Study", no. 4, 1950, pp 15-25, and the catalogue of the Churchill Co.

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L 29532-66 EWT(d)/EWT(m)/T/EWP(f) JW/WE

ACC NR: AR6003725

SOURCE CODE: UR/0285/65/000/009/0021/0021

68

B

AUTHOR: Savel'yev, Yu. N.; Batyuk, G. S.; Kryzhanovskiy, V. N.TITLE: Increasing the reliability of a jet igniter ^{y²}

SOURCE: Ref. zh. Turbostroyeniye, Abs. 9.49.142

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. teploenerg., no. 1, 1964, 40-44

TOPIC TAGS: gas turbine engine, combustion research, natural gas, ignition, ^{1/4010}
FUEL IGNITER

ABSTRACT: Jet-type igniters were developed and tested. The most successful was one designed with two V-shaped stabilizers. A jet formed behind the first one ignites the gas in the second, the main stabilizer. The time of spark-plug exposed to the higher temperatures is decreased to 4 to 5 sec., thus increasing the reliability and life-time of the spark-plug. The igniters are recommended for use in gas turbine units working on natural gas. T. Gonikberg.

SUB CODE: 211 SUBM DATE: none/

UDC: 621.438.001.5

Card 1/1 LS

s/064/62/000/002/001/008
B105/B101

AUTHORS: Dalin, M. A., Guseynova, Z. D., Savel'yev, Yu. V., Taniyants,
K. D., Burmistrova, R. S., Belen'kaya, Ye. L.

TITLE: Production of high-purity ethylene

PERIODICAL: Khimicheskaya promyshlennost', no. 2, 1962, 1 - 3

TEXT: Special purification methods of pyrogas for the production of high-purity ethylene are described. The study was conducted in an experimental plant with a productivity of 800 Nm³/h as follows: (1) Purification of the gas from sulfur compounds and carbon dioxide by means of 11.6% NaOH. The pyrogas is previously cooled to 15 - 18°C to eliminate polymerizable hydrocarbons, and purification is performed at a watering density of 7 m³/m²·h, a linear pyrogas velocity of 0.04 m/s, and a temperature of ~50°C. (2) Dehydration of the gas in two stages: from an initial pyrogas moisture of 225 mg/Nm³ to 20 mg/Nm³, as well as from 20 to 10 mg/Nm³. Silica gel of the following specification was tested: volume weight 0.85 g/cm³; specific pore volume 0.320 cm³/g; specific surface 537 m²/g; average pore radius 11.8 Å. Dehydration of air and Card 1/3 ✓

Production of high-purity...

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B105/B101

ethylene was performed under laboratory conditions by means of molecular sieve of the NaA type produced at the GrozNII, the Gor'kovskaya optytnaya baza VNIINP (Gor'kiy Experimental Base VNIINP), and the Institut fizicheskoy khimii AN USSR (Institute of Physical Chemistry AS UkrSSR). The volume weight of the molecular sieve varies between 0.45 and 0.7 g/cm³. (3) The purification of the ethylene-ethane fraction from acetylene may be realized by selective hydrogenation in the presence of catalysts, or (for more than 0.5% C₂H₂) by absorption with organic solvents. An industrial nickel-chrome catalyst was tested in an experimental plant. The ethylene-ethane fraction with a content of 0.025 to 0.19% acetylene was hydrogenated by the methane-hydrogen fraction of the pyrogas at 150 - 190°C, 23 - 25 atm, 4000 - 6000 h⁻¹ volume velocity, and a hydrogen concentration of 25 - 30% in the methane-hydrogen fraction. (4) Methane removal of the ethylene-ethane fraction by fractional distillation at -23 to - 32°C. The methane and carbon monoxide content in ethylene after methane removal was determined by the XT-2M (KhT-2M) chromatograph. Activated carbon of the type AP-3 (AR-3) was used as adsorbent. There are 4 figures, 2 tables, and 7 references: 1 Soviet and 6 non-Soviet. The four most recent references to English-language Card 2/3 ✓

DALIN, M.A.; GUSEYNOVA, Z.D.; SAVEL'YEV, Yu.V.; TANIYANTS, K.D.;
BURMISTROVA, N.S.; BELEN'KAYA, Ye.L.

Production of high purity ethylene. Khim.prom. no.2:77-79
F '62. (MIRA 15:2)

(Ethylene)

SAVEL'YEV, Yu.V. (Gor'kiy)

Using local materials in the composition of problems. Mat. v
shkole no. 3:47 My-Je '63. (MIRA 16:7)

(Mathematics—Problems, exercises, etc.)

S A V E L ' Y E V A , A .

G-1

USSR/Electricity - General Problems

Abs Jour : Ref Zhur - Fizika, No 1, 1958, 1224

Author : Budreyko, Ye.A., Savel'yeva, A.

Inst : -
Title : Development of the Science of Electric Conductivity in
the Work by A.S. Savel'yev.

Orig Pub : Zh. fiz. khimii, 1957, 31, No 4, 920-922

Abstract : No abstract.

Card 1/1

REF ID: A

AUTHORS: Grigorov, N. L., Podgurskaya, A. V., Sov/56-35-1-1/59
Savel'yeva, A. I., Poperekova, L. M.

TITLE: The Interaction of Particles of Cosmic Radiation With
Various Nuclei (Vzaimodeystviye chashts kosmicheskikh
luchey s razlichnymi yadrami)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958,
Vol. 35, Nr 1, pp. 3 - 15 (USSR)

ABSTRACT: Following several earlier papers (Grigorov, Murzin, Ref 1,
Investigation of Primary Particles With $\sim 10^{10}$ eV Light
Nuclei, Observation of Secondary Components in the Air, see
also Reference 2), the present paper gives a report on
investigations carried out on stars and individual highly
ionized particles, which have been produced in altitudes
of 9 and 20 km on photographic plates (primary energy
 $\sim 10^{10}$ eV). Investigations were carried out with the
aid of sets of plates under lead- or graphite filters
of various thickness. The following results were obtained
for the number of stars per cm^2 and for a period of 24
hours:

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The Interaction of Particles of Cosmic Radiation With SOV/56-35-1-1/59
Various Nuclei

Height(km)	Filter	Thickness (mm)	Number of stars($\text{cm}^{-3}\text{d}^{-1}$)
20	C	13	1910
20	C	39	2520
20	C	86	2190
20	Pb	5	2130
20	Pb	15	2360
20	Pb	33	2430
9	paraffin	170	402
9	Pb	35	417

The results obtained by the utilization of these plates are compiled in several tables. The following was found to hold for the interaction between nucleons with ~ 10 BeV and atomic nuclei:

$$E_p \sim A^{1/3} \quad E_{\pi^0} \sim A^{1/3}$$

E_p = average disintegration energy of the stars, E_{π^0} - the energy of the π^0 -mesons produced. The number of particles

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The Interaction of Particles of Cosmic Radiation With Various Nuclei SOV/56-35-1-1/59

in the stars is also proportional to $A^{1/3}$. The average energy which is carried off by the mesons is proportional to the radius of the nuclear target. Thus, the following was obtained for the ratio of E_{π^0} :

$E_{\pi}^{Pb} : E_{\pi^0}^{prim} = 55 \pm 6\%$; $E_{\pi}^{air} : E_{\pi^0}^{prim} = 28 \pm 3\%$ so that

$E_{\pi^0}^{Pb} : E_{\pi^0}^{air} = 2.0 \pm 3$. There are 6 figures, 6 tables, and 6 references, 5 of which are Soviet.

SUBMITTED: September 27, 1956 (initially) and March 25, 1958 (after revision)

Card 3/4

SAVEL'yERA, A. I.

PLACE 1 BOOK EXPLANATION
307/3461
Sauchino-takuhito-kojyo obutsukete yo manjusiro totochi moyo preychanossi,
Elyavatno oblastnaya priyavlyay.
Krasnodar-dekorativnye i uprashchayushye polityrya metalller (Forezstal'nyy, Ed. 1)
Decorative and Special Coatings for Metals) Krasny, Maibat, 1959. 252 p.
4,200 copies printed.
Editorial Board: P. K. Lavoro, M. I. Litvak, and A. P. Rybik (Resp. Ed.);
Editorial Publishing House: M. S. Serokin; Chief Ed.: (Southern Division,
Maibat); V. K. Serebryak, Engineer.
PURPOSE: This book is intended for technical personnel in the field of protective

PURPOSE: This book is intended for technical personnel in the field of protection against fire which may occur.

COVERAGE: The papers in this collection, presented at a conference of the ETO Multiprojekt held in Odessa, deal with the mechanization and automation of metal-forming and plating processes performed by spraying, electrolytic, and other methods. Quality control of protective coatings is also discussed.

No personalities are mentioned. References follow several of the papers. **W. H. Litchfield, T. V. S. Engineer (Mar. 1949).** Application of High-blaster Method in Mass Production

52
V. S. Kostylev, Candidate of Chemical Sciences, and G. S. Chernobravak
and V. N. Kostyleva, May Electrolyte for Nickel Plating
(Kiev).
V. A. Kostylev, Candidate of Chemical Sciences (Kiev). Identification
of the Nickel-Plating Process through the Use of a Fluoroborate Electrolyte
Vasil'ev, G. S., Kostylev (Kiev). Effect of Processing Factors on the
Porosity of Electrolytic Deposits of Nickel

Gorobinova, E. M., Doctor of Chemical Sciences, and A. A. Mikitov, Candidate of Chemical Sciences. Nickel Plating by Chemical-reduction Method

Petrov, A. A., Engineer (Naukov), Wear- and Corrosion-resistant Coating by Combination (No-layer) Chrome Plating

Paliček, A. I., Candidate of Technical Sciences (Sverdlovsk). — Chroming
Plating at Room Temperature

Nikolayev, M.-P., and I. D. Nikoleva, Candidates of Technical Sciences (Naukova). Electrolytic Preparation of Iron at High Current Densities from Low-Temperature Sulfuric Acid Solutions

High-Melting Copper Platins
From Acid Electrolytes

Emiliger, M. A., Candidate of Technical Sciences, and A. I. Lipin, Engineer
of Armaments. Institute of Armament Production of the Ministry of Defense (Leningrad). *Molybdate Copper
Plating of Armaments*

92
Electroplating of Aluminum Alloys
(Laymberov). Deep Anodizing of Aluminum
Alloys With Automation. Emulsion of the Process.

The Portman, J. J., Engineer (Moscow). A Study of Processes of Depositing Electrolytic Coatings with High Electrical-Insulating Properties on Aluminized Steel. 1950. 100 pp.

112
121
Dobrovolsky, N. N., Engineer (Kazan). Deposition of Tinted Anodised Coatings on Aluminum and Some of Its Alloys

Electrochemical Preservation. M.-G. Candidate of Technical Sciences (Moscow). 133

134
Lipkin, M. A., and A. I. Lipkin. Electrolytic Polishing of Metal
Foods and Fire Products
and Linear (Picov). Electrolytic Decomposition of
Benzene.

139
Electro-
plating on the Zinc.
K. N. Kurnikov, Engeneer, and L. K. Gurvitch, Enginewer (Leningrad).

Ervin A. I., Doctor of Technical Sciences (Sverdlovsk). Mechanism of the Action of Surface-Active Substances in Electropolymerization. *J. Macromol. Sci. Chem.*, 1973, **A-7**, 245-260.

120
154
Swin, A. I. On the Mechanism of Electrodeposition of Metals Contained in
Solutions as Simple and Complex Salts

Palladium Coating of Precision-Parts 122

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1"

SAVELIEVA, A.I.

STUDIES OF LARGE IONIZATION BURSTS BY THE METHOD
OF "CONTROLLED PHOTOGRAPHIC EMULSIONS"

S. I. Brikker, N. L. Grigorov, M. A. Kondratyeva,
A. V. Podgurskaya, A. I. Savelieva, V. Ya. Shestoporov

1. Electron-sensitive photographic plates were irradiated at 3200 m. above sea level in a special apparatus, which a) recorded large ionization bursts with the number of particles ≥ 1000 , and b) indicated through which of the photographic plates (covering the entire sensitive area of the apparatus) the shower has passed that produced the given "burst":

2. The analysis showed that:

- a) the majority of "bursts" are created by showers of electrons generated in the apparatus by nuclear-active particles of high-energy;
- b) the showers most often consist of one principal "core" apparently created by a single gamma-quantum of sufficiently high energy;
- c) in cases when the shower contains several laterally separated "cores", one of the "cores" is, as a rule, responsible for the bulk of the particles in the shower, that is, in the recorded ionization "burst";
- d) if in showers that contain two or more "cores", the total energy of the whole shower is taken as unity, the energy distribution of the individual showers comprising the given shower may be approximated by a power function.

Report presented at the International Cosmic Ray Conference, Moscow, 6-11 July 1959

SAVEL'YEVA, A.I.

YERMOL'YEVA, Z.V., LAZAREVA, Ye.N., SOBOLEV, V.P., SAVEL'YEVA, A.I.,

Comparative study on therapeutic forms of penicillin for peroral administration under experimental conditions [with summary in English].
Antibiotiki, 3 no.3:45-49 My-Je '58 (MIRA 11:7)

1. Kafedra mikrobiologii TSentral'nogo instituta usovershenstvovaniya vrachey i otdel khimioterapii Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov.

(PENICILLIN, effects,
on bact. in vitro, comparison of various oral prep.
(Rus))

S/058/61/000/010/016/100
A001/A101

3.24/10

AUTHORS: Grigorov, N.L., Kondrat'yeva, M.A., Savel'yeva, A.I., Sobinyakov, V.A., Podgurskaya, A.V., Shestoporov, V.Ya.

TITLE: Methods of studying the elementary process of interaction with atomic nuclei of nuclear-active particles with energies of 10^{11} - 10^{14} ev
developed at the Moscow University

PERIODICAL: Referativnyy zhurnal. Fizika, no. 10, 1961, 96, abstract 10B499
("Tr. Mezhdunar. konferentsii po kosmich. lucham, 1959, v. 1", Moscow, AN SSSR, 1960, 122 - 133) ✓B

TEXT: The authors describe the devices of the Cosmic Radiation Laboratory at the MGU for studying the elementary process of interaction with atomic nuclei of nuclear-active particles with energies of 10^{11} - 10^{14} ev (with the use of a large number of counters, ionization calorimeters, systems of controlled photo-plates).

[Abstracter's note: Complete translation]

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A. P. BABAYAN, S. I. BRIKKER, N. L. GRIGOROV, A. V. PODGURSKAYA,
A. I. SAVELYEVA, V. Ya. SHESTOPEROV

Investigation of Nuclear Interaction at 10^{13} ev by means of "Controlled"
Photoemulsions Method

Report submitted for the 8th Intl. Conf. on Cosmic Rays (IUPAP), Jaipur India,
2-14 Dec 1963

BABAYAN, Kh.P.; BRIKKER, S.I.; GRIGOROV, N.L.; PODGURSKAYA, A.V.;
SAVEL'YEVA, A.I.; SHESTOPEROV, V.Ya.

Generation of $\bar{\pi}$ -mesons at particle energies of $5 \cdot 10^{12}$ to 10^{13} ev.
Izv. AN SSSR. Ser. fiz. 28 no.11:1784-1789 N '64.

(MERA 17;12) X

1. Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo
gosudarstvennyy universiteta im. M.V. Lomonosova i Institut
fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy
energii SSSR.

ACCESSION NR: AP4042411

S/0056/64/047/001/0379/0381

AUTHORS: Babayan, Kh. P.; Brikker, S. I.; Grigorov, N. L.; Podgurskaya, A. V.; Savel'yeva, A. I.; Shestoporov, V. Ya.

TITLE: Study of the generation of neutral pions at particle energy 5000 to 10000 GeV

SOURCE: Zn. eksper. i teor. fiz., v. 47, no. 1, 1964, 379-381

TOPIC TAGS: cosmic ray measurement, neutral pi meson, nuclear emulsion, ionization chamber, gamma reaction, cosmic ray burst, inelastic scattering

ABSTRACT: The study was made using the method of "controlled nuclear emulsions" developed by the authors (Nuovo cimento supplement v. 8, 733, 1958; Trudy* Mezhdunarodnoy konferentsii po kosmicheskim lucham [Transactions of International Conference on Cosmic Rays] v. 1, AN SSSR, 1960, page 122; Materialy* soveshchaniya po metodike tol-

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stosloyny*kh fotoemul'siy [Materials of Conference on Thick-Layer Emulsion Procedure] 1, OIYAI, 1957, page 168). The test array consisted of nuclear emulsions interlined with lead filters and placed over an array containing a large number of ionization chambers. Interaction of the nuclear active particle in the generator (graphite 20 g/cm² thick) located 150 cm over the nuclear emulsions produces, as a result of the neutral pion decay, gamma quanta which strike the lead filters with the emulsions and move hundreds of microns apart. Consequently the electron-photon showers produced by the gamma quanta in the lead are recorded by the emulsions as individual lines. Six showers with total gamma-quantum energy exceeding 2×10^{12} eV were recorded. The results indicate the following: 1. Most ionization bursts result from such interactions when the inelasticity coefficient K is close to unity, and the neutral pions receive on the average about 80% of the primary-particle energy. 2. Approximately four neutral pions are generated in these interactions, much lower than the average multiplicity at the correspond-

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ing primary energy. 3. In these interactions one neutral pion receives on the average about 50% of the primary particle energy. This energy transfer causes the large fluctuations in the neutral-pion inelasticity constant. It is shown further that this energy transfer is not the product of the decay of isobars with mass $M \leq 2M_{\text{nucleon}}$. The probability of the latter event is less than 0.5, so that it is improbable that the high-energy pions result from the decay of known baryon isobars. Orig. art. has: 2 figures, 1 formula, and 1 table.

ASSOCIATION: Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Nuclear Physics Institute, Moscow State University); Fizicheskiy institut GKAE, Yerevan (Physics Institute GKAE)

SUBMITTED: 28Sep63

ENCL: 02

SUB CODE: NP

NR REF SOV: 005

OTHER: 001

3/5

REF ID: A6510

SAVEL'YEVA, A.I.

Bilateral injury of the vestibular apparatus with unilateral total
preservation on hearing. Vest. otorinolar., Moskva 15 no.3:83 May-June
1953. (CLML 25:1)

1. Of the Department for Diseases of the Ear, Throat, and Nose (Head --
Prof. I. M. Krukover), Irkutsk Medical Institute.

SAVEL'YEVA, A.I.

Association of cerebral tumor with extradural otogenous abscess.
Vest. oto-rin. 16 no.4:79-80 Jl-Ag '54. (MLRA 7:8)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. prof. I.M.Krukover)
Irkutskogo meditsinskogo instituta.

(BRAIN, neoplasma,

*with abscess, otogenous)

(BRAIN, abscess,

*with tumor)

(ABSCESS,

*brain, with tumor)

SAVEL'YEVA, A.I.

Treatment of migrating perichondritis of the auricle of the ear with
circular novocaine block. Vest. oto-rin. 16 no.5:75-76 S-0 '54.
(MIRA 7:12)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. prof. I.M.Krukover)
Irkutskogo meditsinskogo instituta.

(EAR, diseases,

perichondritis, ther., procaine block)

(ANESTHESIA, REGIONAL, in various diseases,

procaine block in perichondritis of ear auricle)

(PROCAINE, therapeutic use,

perichondritis of ear auricle, circular block)

SAVEL'YEVA, A.I.

Novocaine block of the cervical vagus and sympathetic nerves in
oedomatic and phlegmonous laryngitis. Vest. oto-rin. 18 no.1:75
Ja-F '56. (MIRA 9:6)

1. Iz kafedry bolezney ukha, gorla i nosa (zaveduyushchiy professor
I.M. Kruckover) Irkutskogo meditsinskogo instituta.
(ANESTHESIA) (LARYNX--DISEASES)

SAVEL'YEVA, A.M.

LAZAREVA, Ye.n.; GLAGOVSKAYA, R.S.; AVER'YANOVA, L.L.; SAVEL'YEVA, A.M.

Penicillin-ecmo. Antibiotiki 2 no.5:49-53 S-0 '57. (MIRA 10:12)

1. Otdel eksperimental'noy terapii Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov.

(PENICILIN, administration,
with ecmoline (Rus))

(ANTIBIOTICS, administration,
ecmoline with penicillin (Rus))

SAVEL'YEVA, A.M.; LOKSHINA, M.I.

Siberian tick-bite typhus of Kazakhstan. Zdrav.Kazakh. 17
(MIRA 12:6)
no.8:17-20 '57.

1. Iz kafedry mikrobiologii TSentral'nogo instituta usovershenstvo-
vaniya vrachey i Pavlodarskogo oblastnogo otdela zdravookhraneniya.
(KAZAKHSTAN--TYPHUS FEVER)

SAVEL'YEVA, A.M., Cand Med Sci — (diss) "A comparative experimental study of various penicillin preparations in intramuscular and peroral methods of ^{their} administration." Mos, 1958. 12 pp (Min of Health USSR. Central Inst for the Advanced Training of Physicians) (KL,24,58, 124)

SAVEL'YEVA, A.M.

Experimental studies on bicillin [with summary in English]
Antibiotiki 3 no.1:73-77 Ja-F'58 (MIRA 11:5)

1. Kafedra mikrobiologii TSentral'nogo instituta usovershenstvovaniya vrachey.

(PENICILLIN, related compounds
benzyl penicillin dibenzylethylene diamine salt, eff.
(Rus))

SOBOLEV, V.R.; SAVEL'YEVA, A.M.

Comparative studies on ecmoline penicillin and chlortetracycline preparations in vitro [with summary in English]. Antibiotiki 3
no.6:78-80 N-D '58. (MIRA 12:2)

1. Kafedra mikrobiologii TSentral'nogo instituta usovershenstvovaniya vrachey (zav. - chlen-korrespondent AMN SSSR prof. Z.V. Yermol'yeva). (PENICILLIN, admin.

with ecmoline, antimicrobial eff. (Rus))

(CHLORTETRACYCLINE, admin.

same)

(ANTISEPTICS, admin.

ecmoline with chlortetracycline & penicillin,

antimicrobial eff. (Rus))

SOLOV'YEVA, N.K.; DELOVA, I.D.; GERMANOVA, K.I.; SAVEL'YEVA, A.M.; KHOKHLOV,
A.S.; MAMIOFE, S.M.; SINITSYNA, Z.T.; PETROVA, M.A.; KOROLEVA, V.A.;
NAVASHIN, S.M.; FOMINA, I.P.; BUYANOVSKAYA, I.S.; VASILENKO, O.S.;
YEFREMOVA, S.A.; BEREZINA, Ye.K.; VEIS, R.A.; DMITRIYEVA, V.S.;
SEMEONOV, S.M.; SHNEYERSON, A.N.

Polymycin, a new antibiotic from the streptotricin group. Antibiotiki
(MIRA 14:3)
5 no.6:5-10 N-D 60.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
kafedra mikrobiologii TSentral'nogo instituta usovershenstvovaniya
vrachey.

(ANTIBIOTICS)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1

SOBOLEV, V.P., MIKHAYLOVA, Yu.M., SAVEL'YEVA, A.M. (Moskva)

Penicillin compounds. Fel'd. i akush. 23 no.12:8-11 D'58 (MIRA 11:12)
(PENICILLIN)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1"

SOLOV'YEVA, N.K.; IL'INSKAYA, S.A.; TAYG, M.M.; SAVEL'YEVA, A.M.; SOROKINA, N.A.

Antibiotics from certain Actinomyces forming coremia. Antibiotiki,
4 no.2:40-45 Mr-Ap '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

(ANTIBIOTICS

prod. from coremia-forming Actinomyces (Rus))

(ACTINOMYCES, culture

coremia-forming & antibiotic-prod. strains (Rus))

GERMANOVA, K.I.; SAVEL'YEVA, A.M.

Inhibiting effect of new antibiotics 1212 and 452-7 on the vaccinia virus. Vop.virus. 4 no.3:348-353 My-Je '59. (MIRA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS, effects,
antibiotics 1212 & 452-7 on vaccinia virus
(Rus))
(VACCINIA, virus,
eff. of antibiotics 1212 & 452-7 (Rus))

GERMANOVA, K.I.; SAVEL'YEVA, A.M.

Antiviral properties of the new antibiotic polymycin. Antibiotiki
6 no.4:293-298 Ap '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS) (INFLUENZA)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1

GERMANOVA, K.L., & MUSATSEVA, A.M.

Antibacterial properties of polyacrylic, a new antibiotic. Vopr.med.virus.
(MIRA VIRIC)
no. 9-1374-3422 163.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1

LAZAREVA, Ye. N.; BELOZEROVA, O. P.; KUTSKAYA, I. P.; POTRAVNNOVA, R. S.; BEREZINA, Ye. K.;
EYDEL'FITEYN, S. I.; SAVEL'YEVA, A. M.; RUBTSOVA, L. K.

"New derivatives of antibiotics of the tetracycline series."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

All-Union Res Inst of Antibiotics, Moscow.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1"

GERMANOVA, K.I.; GONCHARSKAYA, T.Ya.; SAVEL'YEVA, A.M.

Antiviral properties of vaccinocidin:preliminary report.
Antibiotiki 9 no.11:997-1003 N '64. (MIRA 18:3)

1. Otdel eksperimental'noy terapii Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov, Moskva.

L 53681-65

ACCESSION NR: AP5016193

UR/0079/65/034/012/4027/4029

AUTHOR: Kochkin, D. A.; Vashkov, V. I.; Kiryutkin, G. V.; Savel'yeva, A. R.

TITLE: Investigations in the field of oxygen-containing organotin and organolead compounds. V. Production and bactericidal activity of organotin and organolead derivatives and their mixtures with quaternary ammonium salts

SOURCE: Zhurnal obshchey khimii, v. 34, no. 12, 1964, 4027-4029

TOPIC TAGS: organotin compound, organolead compound, ammonium salt, bacteria

Abstract: Eight quaternary ammonium salts were synthesized, and the synergism of their bactericidal activity in the presence of five organotin compounds, tetramethyldiphenyldisiloxane, and diphenyldimethyacryloxyplumbane was investigated with respect to *Staphylococcus aureus* and *E. coli*. The greatest bactericidal activity was exhibited by benzyl-trimethylammonium chloride $[(\text{CH}_3)_3\text{N}(\text{C}_6\text{H}_5\text{CH}_2)]\text{Cl}$, and benzyltriethyl-ammonium chloride $[\text{C}_6\text{H}_5\text{CH}_2\text{N}(\text{C}_2\text{H}_5)_3]\text{Cl}$, in mixtures with hexabutyldistannoxane and tributylacetoxystannane. Orig. art. has 2 tables.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry, Academy of Sciences, SSSR)

Card 1/2

L 53681-65

ACCESSION NR: AP5016193

SUBMITTED: 16Aug63

ENCL: 00

SUB CODE: OC, LS

NO REF SOV: 006

OTHER: 003

JPRS

BAB

Card 2/2

KOCHKIN, D.A.; VASHKOV, V.I.; KIRYUTKIN, G.V.; SAVEL'YEVA, A.R.

Study of oxygen-containing organotin and organolead compounds.
Part 5: Formation and bactericide activity of tin and lead
organic derivatives and their mixtures with quaternary ammonium
salts. Zhur. ob. khim. 34 no.12:4027-4029 D '64 (NIRA 18:1)

1. Institut fizicheskoy khimii AN SSSR.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1

SAVEL'YEVA, E.A.; CHALYEMOV, V.I.

Archaeological finds in the Kobra Basin. Izv. Komi fil. Geog.
ob-va SSSR no.9:103-107 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1"

S A V E L ' Y E V A G - I
CA'

11B

Determination of vitamin C. G. J. Savel'eva. U.S.S.R.
67,226, Oct. 31, 1946. Vitamin C is titrated with a
FeCl₃ soln. at approx. 90° and pH 4-4.5 in the presence of
NH₄CNS as indicator.
M. Huseh

ASW ALA METALLURGICAL LITERATURE CLASSIFICATION

ITEM NUMBER	SEARCHED	SERIALIZED	FILED	CLASSIFICATION		SEARCHED	SERIALIZED	FILED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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BERKAN, Ya.; ZVARGULE, A., vneshtatnyy instruktor; KHARITONOVА, V., doverenyy vrach; SAVEL'YEVA, G., inzh.-tekhnolog; NIKOLAYEVА, A., starshiy instruktor; SMIRNITSKAYA, Ye.; KHMELOVA, V.

Changes for the better. Okhr.truda i sots.strakh. 5 no.4:20-22
Ap '62. (MIRA 15:4)

1. Predsedatel' obshchestvennogo soveta 4-y ob"yedinennoy bol'nitsy g. Rigi (for Berkan). 2. Respublikanskiy sovet profsoyuzov Latviyskoy SSR (for Zvargule, Nikolayeva). 3. Pishchevaya laboratoriya g. Yurmala (for Savel'yeva). 4. Korrespondent gazety "Sovetskaya Latviya" (for Smirnitskaya). 5. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye" (for Khmeleva).

(Latvia--Sanatoriums)

ACCESSION NR: AT4042419

S/0000/63/000/000/0043/0045

AUTHOR: Shostak, F. T.; Vittikh, M. V.; Savel'yeva, G. A.; Kozlov, G. S.
Malinovskiy, L. S.

TITLE: The influence of ultrasound on the kinetics of ion exchange

SOURCE: Respublikanskoye nauchno-tehnicheskoye soveshchaniye po ionnomu obmenu.
Alma-Ata, 1962. Teoriya i praktika ionnogo obmena (Theory and practice of ion
exchange); trudy soveshchaniya. Alma-Ata; Izd-vo AN KazSSR, 1963, 43-45.TOPIC TAGS: Ion exchange, Ion exchange kinetics, ultrasound, cation exchange
resin, anion exchange resin, resin regenerationABSTRACT: An UZGI-1.5 ultrasonic generator in an auto-exciting circuit with
three GU-80 tubes fed without rectifying directly from a three-phase a.c. grid
was used in a study of the effects of ultrasound on ion exchange in an acid cation
exchange resin (KU-21) and two alkaline anion exchange resins (EDE-10P and AN-1).
The H form of the cation exchange resin and the OH form of the anion exchange re-
sins in 1.0 and 0.1 N aqueous solutions of KOH or 1.0, 0.1 and 0.01 N aqueous solu-
tions of hydrochloric acid, respectively were exposed to ultrasound for 3, 7, 15,
25 and 45 minutes with an intensity of 3.0 w/cm² at room temperature. The tests
generally showed that imposition of an ultrasonic field intensifies ion exchange
in the initial stage, especially in the first 3-15 min. The effect of the field

1/2

Card

ACCESSION NR: AT4042419

depends largely on the properties of the resin and the concentration of the solution. Regeneration of the AN-1 resin by 5% Na₂CO₃ was accelerated almost 3.3 fold by ultrasound. Orig. art. has: 3 figures.

ASSOCIATION: Institut khimicheskikh nauk AN KazSSR (Institute of Chemical Sciences, AN KazSSR); Kazgipropishcheprom

SUBMITTED: 13Nov63

ENCL: 00

SUB CODE: GC

NO REF Sov: 001

OTHER: 007

Card 2/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1

UNIVERSITY, U. S. I.

Dissertation: "New Methods of Quantitive Determination of Vitamin C in Biological Materials." Cand Pharm Sci, Moscow Pharmaceutical Inst, 7 Jun 54. Meditsinskiy, Rabotnik, Moscow, 14 May 54.

SO: SUM 284, 26 Nov 1954

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1"

THE RED

SAVEL'YEVA, G.I.; KUDYMOV, G.I.

New method for determining organically bound iodine in pharmaceutical preparations. Med. prom. 14 no.7:36-39 Je '60. (MIRA 13:8)

1. Permskiy farmatsevticheskiy institut.
(IODINE—ANALYSIS)

SAVEL'YEVA, G.I.

Volumetric ferrimetric method for the quantitative determination
of vitamin C. Report No.1. Trudy Perm. farm. inst. no.1:53-62
'59. (MIRA 15:1)

1. Permskiy farmatsevticheskiy institut, kafedra farmatsevticheskoy
khimii.
(ASCORBIC ACID) (TITRATION)

SAVEL'YEVA, G.I.

Technically substantiated norms for fitting and assembling.
Mashinostroitel' no.11:36-38 N '63. (MIRA 16:11)

SAVEL'YEVA, G.I.; KUDYMOV, G.I.

Quantitative determination of thiophene sulfur in ichthyol.
Aptech. delo 12 no.3:62-65 My-Je '63 (MIRA 17:2)

1. Permskiy farmatsevticheskiy institut.

SAVEL'YEVA, Galina Ivanovna; PETROV, A.F., red.

[Methods for the establishment of enlarged norms for fitting and assembling operations] Metodika ukrupnennogo normirovaniia slesarno-sborochnykh rabot. Leningrad, 1964. 26 p.
(MIRA 18:3)

SAVEL'YEVA, G.I., inzh.

Establishing norms for fitting and assembling operations
according to consolidated single-line time norms. Vest.
mashinostr. 45 no.1:77-81 Ja '65. (MIRA 18:3)

SAVEL'YEV, G.M., Cand Med Sci — (diss) "Course and conduct of labor complicated by endometritis." Mos, 1950. 13 pp. (Second Mos State Med Inst im N.I. Pirogov). 250 copies (KL,40-59, 106)

64

SAVEL'YEVA, G.M.

Course and management of labor complicated by endometriosis.
Akush. i gin. 35 no.3:55-59 My-Je '59. (MIRA 12:8)

1. Iz akushersko-ginekologicheskoy kliniki (zav.kafedroy -
prof.I.F.Zhordania) II Moskovskogo meditsinskogo instituta
imeni N.I.Pirogova.

(ENDOMETRIOSIS, in pregn.
labor, course & management (Rus))

(LABOR
in endometriosis, course & management (Rus))

MAZUROVA, V.M.; SAVEL'YEVA, G.M.

Criteria for pain sensitivity in labor. Akush.i gin. no.5:51-
54 '61. (MIRA 15:1)

1. Iz kafedry akusherstva i ginekologii (zav. -- zasluzhennyy
deyatel' nauki BSSR, chlen-korrespondent AMN SSSR prof. L.S.
Persianinov) lechebnogo fakul'teta II Moskovskogo ordena Lenina
meditsinskogo instituta imeni N.I. Pirogova.
(LABOR (OBSTETRICS)) (PAIN)

IL'IN, I.V.; PERSIANINOV, L.S.; SAVEL'YEVA, G.M.

Electrocardiography of the fetus in the obstetrics clinic. Vest.
AMN SSSR 17 no.11:36-40 '62. (MIRA 16:1)

1. Kafedra akusherstva i ginekologii lechebnogo fakul'teta
II Moskovskogo meditsinskogo instituta imeni Pirogova.
(ELECTROCARDIOGRAPHY) (FETUS)

IL'IN, I.V.; KARPMAN, V.L.; SAVEL'YEVA, G.M.

Dynamics of heart activity in the fetus and newborn the
infant. Vop. okhr. materin. dets. 8 no.1:25-31 '63

(MIRA 17:2)

1. Iz kafedry akushерstca i ginekologii (zav. - chlen-korrespondent AMN SSSR L.S. Persianov) II Moskovskogo meditsinsko-go instituta imeni Pirogova i laboratorii klinicheskoy fiziologii (zav. - akademik AN UkrSSR Ye.B. Babskiy) Instituta normal'noy i patologicheskoy fiziologii (dir. - desystvietel'-nyy chlen AMN SSSR V.V. Parin) AMN SSSR.

PERSIANINOV, L.S.; IL'IN, I.V.; SAVEL'YEVA, G.M.; CHERVAKOVA, T.V.

Modern methods for diagnosing intrauterine asphyxia during labor.
Akush. i gin. no.6:3-12 N-D '63. (MIRA 17:12)

1. Iz kafedry akusherstva i ginekologii (zav. - chlen korrespondent
AMN SSSR prof. L.S.Persianinov) II Moskovskogo meditsinskogo instituta
imeni N.I.Pirogova.

PERSIANINOV, L.S.; IL'IN, I.V.; MEYTINA, R.A.; SAVEL'YEVA, G.M.;
CHERVAKOVA, T.V.

Comparative study of gas exchange in the fetus under normal
and pathologic conditions. Akush. i gin. no.1:3-9 '65.

(MIRA 18:10)

1. Kafedra akusherstva i ginekologii (zav.- chlen-korrespondent
AMN SSSR prof. L.S. Persianinov) lechebnogo fakul'teta II
Moskovskogo meditsinskogo instituta imeni Pirogova i Laboratoriya
funktional'noy diagnostiki (zav.- kand. med. nauk G.G. Gel'shteyn)
Instituta serdechno-sosudistoy khirurgii (dir.- prof. S.A. Kolesnikov)
AMN SSSR.

SAVEL'YEVA, I. M., inzhener; SHARIN, Yu.S., kandidat tekhnicheskikh nauk.

Constant volume conditions in metal cutting. Trudy Ural.politekh.
inst. no.63:90-95 '56. (MLRA 10:2)

(Metal cutting)

SHUNAYEV, B.K.; PERLOV, Ye.F.; SAVEL'YEVA, I.M.

Rounding method for broaching gear wheels. Trudy Ural. politekh.
inst. no.129:53-66 '63
(MIRA 17:8)

SAVEL'YEVA, I.N. (Moskva)

Possib'lities of mass production of multiple style clothing.
Shvein.prom. no.6:17-23 N-D '61. (MIRA 14:12)

(Clothing industry)
(Costume design)

SAVEL'YEVA, I. P.

Cand Chem Sci - (diss) "Study of molecular polymorphism of α - β -dibromopropionic acid." Khar'kov, 1961. 18 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Order of Labor Red Banner State Univ imeni A. M. Gor'kiy); 225 copies; free; (KL, 5-61 sup, 177)

Synthesis of some new aliphatic sulfones; derivatives of propane. B. P. Bedrov and I. S. Novikova. *Izvest. Akad. Nauk S.S.R., Otdel. Khim. Nauk* 1950, 223-32. Heating 30 g. EtCHO, 120 g. 40% formalin, and 1350 ml. H₂O on a steam bath with a jet of steam, with gradual (1 hr.) addn. of slaked lime (75 g. CaO and 300 ml. H₂O), and further heating 2.5-3 hrs., followed by addn. of 60 g. 50% H₂SO₄, filtration, removal of the Ca with (C₂H₅)₂NH₂, evapn., and extn. with abs. EtOH, gave 30% MeC(CH₃)₂ (I), m. 202.3°, 1 (3.6 g.) heated with 10.5 g. PbBr₂ gradually to 100° for 1 hr., followed by sealing the tube and heating for 100° for 1 hr., followed by sealing the tube and heating for

2 hrs. at 175-80°, and 3 hrs. at 185-90°, extrn. with hot H₂O, removal of 0.7 g. red P, extrn. with 3 portions (50 ml.) of EtONa, washing the extn. and concn. gave 0.0 g. C₃C(CH₃)₂Br₂ (II), m. 159.5-60.5° (from EtOH), and 41.8% MeC(CH₃)₂ (III), b.p. 105-9°, b.p. 108-9°, b.p. 101°, b.p. 94-5°. Alternate method: 5 g. I heated on a steam bath under a reflux condenser and treated over 30 min. with 16.0 g. PbBr₂, kept 30 min. at 100°, then 24 hrs. at 180°, gave 0.6 g. P, 0.7 g. II, and 32.8% III. III (3.1 g.), 2.5 x EtSH, and EtONa (from 0.92 g. Na and 10 ml. abs. EtOH) kept 6 hrs. in a sealed tube at 145-50° gave, after treatment with EtOH and extn. with EtOH, 56% MeC(CH₃)₂Et, b.p. 140-1°; this (1.4 g.) in 8 ml. AcOH with 5 ml. 30% H₂O₂ kept 4 hrs. at 50-60° gave 80% corresponding sulfone, m. 124-4.5° (from EtOH); similar reaction with PrSH gave 74% MeC(CH₃)₂Pr, b.p. 173.5° [sulfone, m. 85.5-0.5 (from EtOH)]; BaSH gave 64% MeC(CH₃)₂Ba, b.p. 205-0° [sulfone (60%), m. 43-4° (from EtOH)]; iso-AmSH gave 53% MeC(CH₃)₂(Am)₂, b.p. 202-3° [sulfone (85%), m. 99.5-100.5° (from EtOH)]. Similar reactions with II yielded: C(CH₃)₂Br₂, 91%, b.p. 225-9° [tetrasulfone (91%), m. 108-0° (from EtOH)]; C(CH₃)₂S(Am)₂, b.p. 220-2° [tetrasulfone, m. 99-100° (from EtOH)]. EtONa (from 10.35 g. Na and 200 ml. abs. EtOH) said. with H₂S was treated with 41.1 g. iso-BuLi, kept 3 hrs. at 35-40°, and let stand overnight, giving 40% *tert*-BuSH, b.p. 63-7°, and 48% less pure product, b.p. 68-71°. Addn. of 11.9 g.

(CH₃)₂Br, to 10.6 g. *tert*-BuSII and BrONa (from 3 g. Na and 50 ml. EtOH) and warming on a steam bath gave 60% CH₃(CH₂SCMe)₂, b.p. 120°; this with KMnO₄ in 10% H₂SO₄ gave 4.4 g. *dinitro*, m. 123-4° (from EtOH); a similar reaction with iso-AmSII gave 55% CH₃(CH₂N₁-*i*-*n*o₂)₂, b.p. 147-8°, which yielded 45% *dinitro*, m. 111.2° (from EtOH) (very pure sample, m. 113.3-5°). MeSII, from 70 g. 5-methylthiouracil sulfate, was passed into 20 g. Me₂CO at -5° and the soln. treated at -2° with dry HCl for 0.75 hr.; the org. layer, after washing with dil. NaOH, gave Me₂C(SMe)₂ as a yellow oil, yielding with KMnO₄ in 5% AcOH or H₂SO₄, 21% crude Me₂C(SO₃Me)₂, m. 110.5-17.0° (from EtOH). The reaction of I with PBr₃ appears to go by the route: I + 1 MPBr → III + 3P₂O₅ + P₂Br₆.

G. M. Kosolapoff

5(3)

SOV/62-58-12-16/22

AUTHORS: Nesmeyanov, A. N., Borisov, A. Ye., Savel'yeva, I. S.,
Golubeva, Ye. I.

TITLE: Vinyl Compounds of Heavy Metals (Vinil'nyye soyedineniya
tyazhelykh metallov)

PERIODICAL: Izvestiya Akademii nauk SSSR: Otdeleniye khimicheskikh nauk,
1958, Nr 12, pp 1490-1491 (USSR)

ABSTRACT: In this brief report the authors report on the synthesized
organic vinyl compounds of heavy metals. By the action of
vinyl magnesium bromide on mercury bromide in tetrahydrofuran
the vinyl mercury bromide was obtained. The latter easily be-
comes symmetric by sodium stannite and forms the liquid di-
vinyl mercury. By a series of exchange reactions a number of
other organic-metallic vinyl compounds were obtained from di-
vinyl mercury. By a double decomposition of divinyl thallium
chloride as well as of divinyl thallium bromide with tin bromide
and thallium halides the corresponding vinyl derivatives of
these metals were obtained. There are 11 references, 8 of
which are Soviet.

Card 1/2

SOV/62-58-12-16/22

* Vinyl Compounds of Heavy Metals

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR
(Institute of Elementorganic Compounds, Academy of Sciences,
USSR)

SUBMITTED: May 20, 1958

Card 2/2

5 (3)

AUTHORS:

Nesmeyanov, A. N., Borisov, A. Ye., Sov/62-59-6-13/36
Savel'yeva, I. S.

TITLE:

Addition of Triethyl Aluminum to Tolan (Prisoyedeneniye
trietylalumi iya k tolantu)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,
1959, Nr 6, pp 1034 - 1036 (USSR)

ABSTRACT:

For the purpose of the addition reaction mentioned in the title, equimolecular quantities of triethyl aluminum and of 1,2-diphenylacetylene were together heated up to 100-120°. Both substances formed the liquid 1,2-diphenylbuten (I) with a boiling point of 108-109°, $n_D^{20} = 1.5965$, yield 40% - and crystalline 1,2,3,4-tetraphenyl butadien-1,3 (II) which melts at 90-91° and at 129-130° (Two stereoisomers). Separation of both substances could be carried out either chromatographically or by crystallisation. The configuration of both substances was determined by plotting the infrared spectra of each isomer and interpreting them. Characteristic bands were found for the liquid and solid isomer of (I), according to which the liquid

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Addition of Triethyl Aluminum to Tolan

SOV/62-59-6-13/36

isomer has a cis- and the solid one a transconfiguration. The three possible isomers of (II) could not be determined by means of the infrared spectrum. In the experimental part the different reactions are described in detail, and in a table the yields in reaction products are compiled. There are 1 table and 4 references, 1 of which is Soviet.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR
(Institute of Elemental Organic Compounds of the Academy of Sciences, USSR)

SUBMITTED: October 24, 1957

Card 2/2

5 (3)

AUTHORS: Mikhaylov, E. M., Savel'yeva, I. S. SOV/62-59-7-21/38

TITLE: On the Influence of Thioacetic Acid on Aniles and Azobenzene
(O deystvii tiouksusnoy kisloty na anily i azobenzol)

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,
1959, Nr 7, pp 1304 - 1306 (USSR)

ABSTRACT: Mikhaylov and Blokhina (Refs 1,2) showed in a previous paper that polycyclic and aromatically substituted ethylene hydrocarbons enter into a conjugated reaction with thioacetic acid in the presence of oxygen under formation of dithioacetyl- or oxythioacetyl- hydrocarbon derivatives. The formation process of these compounds is investigated in the present paper in the case of the transformation of the azomethine compounds under the influence of thioacetic acid and in the presence of molecular oxygen. Benzophenone anile in thioacetic acid solution vehemently absorbs oxygen. The reaction mixture is heated and changes its color. The reaction is finished with the absorption of the equivalent quantity of oxygen. The authors obtained: acetanilide, benzophenone, diacetyl-disulphide, and sulphur. The reaction proceeds according to the following scheme:

Card 1/3

On the Influence of Thioacetic Acid on Aniles and Azobenzene SOV/62-59-7-21/30

$(C_6H_5)_2C=NC_6H_5 + 3CH_3COSH + O_2 = C_6H_5NHCOCH_3 + (C_6H_5)_2CO +$
 $+ (CH_3COS)_2 + S + H_2O$ (1). The effect of benzophenone anile in thioacetic acid in the case of lacking of oxygen was investigated in order to clarify the intermediate stages of the process. It was found that the intermediate compounds are acetanilide and thiobenzophenone (reaction scheme 2). The reaction process between acetophenone anile and thioacetic acid is analogous. The mentioned change in color (during the reaction, into blue) proves the formation of thiobenzophenone as intermediate product. Disetyl-disulphide, sulphide, and hydrogen sulphide are produced from thioacetic acid during the reaction. N-acetyl-hydrazobenzene is formed in the case of heating of azobenzene with the threefold equivalent of thioacetic acid according to the following scheme: $C_6H_5N=NC_6H_5 + 3CH_3COSH =$
 $= C_6H_5NH-NC_6H_5 + (CH_3COS)_2 + H_2S$ (4).

Card 2/3

On the Influence of Thioacetic Acid on Aniles and SOV/62-59-7-21/38
Azobenzene

The reactions are described in detail in the experimental part.
There are 7 references, 2 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk
SSSR (Institute of Organic Chemistry imeni N. D. Zelinskogo of
the Academy of Sciences, USSR)

SUBMITTED: November 11, 1957

Card 3/3

MIKHAYLOV, B.M.; SAVEL'YEVA, I.S.

Structure of the bromide $C_{10}H_{11}Br$, formed when bromine reacts with 2-phenyl-2-butanol or 2-phenyl-2-butene. Izv.AN SSSR.Otd. khim.nauk. no.6:1049-1052 J1 '60. (MIRA 13:7)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo
Akademii nauk SSSR.
(Butene) (Butanol)

NESMEYANOV, A.N.; BORISOV, A.Ye.; SAVEL'YEVA, I.S.; KRUGLOVA, N.V.

Series of radicals arranged according to the rate at which they
are split off a mercury atom by hydrochloric acid. Izv.AN SSSR
Otd.khim.nauk no.4:726-727 Ap '61. (MIRA 14:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR,
(Radicals (Chemistry))

NESMEYANOV, A.N.; BORISOV, A.Ye.; SAVEL'YEVA, I.S.; OSIPOVA, M.A.

Products of the addition of mercury salts to disubstituted
acetylenes. Izv. AN SSSR. Otd.khim.nauk no.7:1249-1252 J1 '61.
(MIRA 14:7)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Acetylene) (Mercury salts)

NE SMEYANOV, A.N.; BORISOV, A.Ye.; SAVEL'YEVA, I.S.

Kinetics of decomposition of symmetrical organomercury compounds.
Izv. AN SSSR Otd.khim.nauk no.12:2241-2242 D '61. (MIRA 14:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Mercury organic compounds) (Chemical reaction, Rate of)

NESMEYANOV, A.N., akademik; BORISOV, A.Ye.; SAVEL'YEVA, I.S.

Acidolysis kinetics of symmetrical aromatic and aliphatic compounds of mercury. Dokl. AN SSSR 155 no. 3 603-606 Mr '64.
(MIRA 17:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

BORISOV, A.Ye.; SAVEL'YEVA, I.S.; SERDYUK, S.R.

Synthesis of some organomercury compounds. Izv. AN SSSR. Ser. khim.
no.5:924-925 '65. (MIRA 18:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

SAVEL'YEVA, K. A.

Cand Med Sci - (diss) "Clinical aspect and treatment of patients ill with sinusthrombosis (otogenic sepsis). From materials of the clinical division of the State Scientific Research Inst of Eye, Throat, and Nose of the Ministry of Public Health RSFSR." Moscow, 1961. 14 pp; (Ministry of Public Health RSFSR, Moscow Medical Stomatological Inst); 200 copies; price not given; (KL, 5-61 sup, 205)

PAGE I BOOK EXPLOITATION

SOV/5510

SAVEL'YEVA, K.A.

Kremlevskiy, P.P., Candidate of Technical Sciences, ed.
 Teploenergeticheskkiye i khimiko-tehnologicheskkiye pribory i regulatory
 (Instruments and Regulators in Heat-Power and Chemical Engineering)
 Moscow, Mashgiz, 1961. 207 p. Errata slip inserted. 8,500 copies
 printed.

Ed. of Publishing House: G.A. Dudusova; Tech. Ed.: L.V. Shchelina;
 Managing Ed. for Literature on the Design and Operation of Machines,
 Leningrad Department, Mashgiz; F.I. Fetisov, Engineer.

PURPOSE: This book is intended for engineers and technicians who construct,
 design, and operate industrial instruments and regulators.

COVERAGE: The book deals with new investigations in the field of automatic
 checking and regulation of heat-power and chemical industrial processes.

The following problems are discussed: improvement of two-position
 control operation; effect of mass action and damping on proportional
 control; new proportional plus integral and programming electronic
 regulation systems; complete automation of open-hearth furnaces;
 automation of boilers with variable load capacity; measurement of
 pulsating flow; measurement of dust flow; ultrasonic and magnetic
 induction flowmeters; pneumatic compensating differential manome-
 ters; aggressive-fluid flowmeters; new magnetic and optical-acous-
 tical gas analyzers; concentration meters; and chlorine and caustic
 regulators. The book is the fifth in a series containing reports on the
 investigations carried out by the Section on Heat-Engineering Control
 Instrumentation and Automation of the Leningradskoye otdeleniye
 Nauchno-tekhnicheskogo obshchestva priborostroitel'noy promstvlenosti
 (Leningrad Branch of the Scientific and Technical Society of the Insti-
 tute-Building Industry.) All the articles presented in this book were
 discussed either at sessions of the above section or at the conference on
 measurements of mechanical quantities called by the section, the
 VNIIM (Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
 D.I. Mendeleyeva - All-Union Scientific Research Institute of
 Metrology imen D.I. Mendeleyev), and the Leningradskiy dom
 ucheniya im. A.M. Gor'kogo (Leningrad Home for Scientific Study im.
 A.M. Gor'kogo). No personalities are mentioned. There are 45 ref-
 erences: 41 Soviet, 20 English, and 4 German. References accompany
 most chapters.

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SAVEL'YEVA, K.A.; SHISHOVA, N.I.

Action of antibacterial preparations in tonsillar diseases.
Trudy gos. nauch.-issl. inst. ukha, gorla i nosa no.11:121-128
'59. (MIRA 15:6)

1. Iz klinicheskogo otdeleniya Gosudarstvennogo nauchno-
issledovatel'skogo instituta ukha, gorla i nosa.
(TONSILS--DISEASES)
(DRUGS)

S/119/62/000/002/008/010
D201/D301

AUTHORS: Zaygermacher, D.M. and Savel'yeva, K.A.

TITLE: Pneumatic instruments with centrifugal feedback

PERIODICAL: Priborostroyeniye, no. 2, 1962, 29-30

TEXT: The authors described the new pneumatic compensation instruments with feedback, developed at the NII Teplopribor: the pneumatic integrator 1CM-48A (ISP-48A) and pneumatic motors ПД-2 (PD-2M) and PD-60M. ISP-48A operates as follows: The pneumatic signal from the differential manometer proportional to the square of the flow of measured substance is applied to the input bellows of an integrator and displaces a lever which by means of a flap covers the nozzle of the balance indicator. Pressure is re-distributed during this in the pneumo-amplifier, so that an amplified signal passes into the circuit of a staring nozzle which drives the rotor. The force developed by the receiving bellows is balanced out by a centrifugal mechanism mounted on the rotor. The rotor shaft is connected through a reduction gear to a counter which performs the operation of

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S/119/62/000/002/008/010

D201/D301

Pneumatic instruments with ...

addition of the shaft revolutions. The integrator adds the instantaneous values of flow with an accuracy of 1% from 15 to 30% of the maximum flow value. The instrument is undergoing tests at the "Tizpribor" plant of Mosgorskvnarkhoz. The Smolensk branch of the NII Teplopribor has developed an attachment for this instrument which makes it possible to obtain pneumatic or electric cut-out signals. The pneumo-motors PD-2M and PD-60M were developed from the above described integrator and are used for chart driving in automatic recorders. The pneumatic motor utilizes the energy of a compressed air stream for moving a rotor, whose speed is maintained by a centrifugal regulator controlling the pressure of air in the nozzles through the pneumatic-amplifier-nozzle-flap system. There are 2 figures. ✓

Card 2/2

ACC NR: AT7003624

(N)

SOURCE CODE: UR/3090/66/000/015/0124/0130

AUTHOR: Klenova, M. V.; Savel'yeva, K. P.

ORG: none

TITLE: Sediment maps of the North Atlantic

SOURCE: AN SSSR. Mezhdunarodnyy geofizicheskiy komitet. X razdel programmy
MGG: Okeanologiya. Sbornik statey, no. 15, 1966. Okeanologicheskiye issledovaniya,
124-130

TOPIC TAGS: hydrographic survey, ocean current, ocean dynamics, ocean property,
~~geomorphology~~, SUBMARINE RELIEF, SOIL TYPE / NORTH ATLANTIC Ocean

ABSTRACT: An evaluation is given of the sediment maps for the Atlantic Ocean. The first map was compiled by Murray and Renard (1891) and is still used with some modification in handbooks and textbooks; it shows the distribution of terrigenous deposits ("blue" mud) and pelagic deposits (globigerina, radiolarian, diatom, pteropod ooze, and red clay). Similar designations are given on a map compiled by P. L. Bezrukov (1961). The sediment map of the Naval Atlas (1952) was prepared on a different basis. In the Naval Atlas chart and the Great Soviet Encyclopedia, the navigation classification was based on the content of pelite fraction <0.01 mm: sand, below 5%; muddy sand, 5—10%; sandy mud, 10—30%; mud, 30—50%; and clayey mud, >50% of this grade. Some components of substance composition are also shown on the map: foraminifera, concretions, stones, shells, corals, etc. The chart is based on the idea of sediment UDC: none

Card 1/2

ACC NR: AT7003624

dispersion as a primary property of bottom deposits. During IGY and IGC investigations the chart was revised. Determination of CaCO showed that carbonate sediments are distributed more widely than was shown on Murray's and Correns' charts. Content of CaCO in the surface layer is connected with the pelite fraction content, but the former increases more rapidly, since CaCO in mud sediments is formed by Coccolithophoridae, individual coccoliths, carbonate detritus, and pelitic carbonate, while foraminifera enriches only more coarse fractions. When elutriating in water, the carbonate particles disintegrate and the results of the analysis correspond neither to the visual description of sediments, nor to their physical properties and deposition conditions. The microscopic sieve analysis gives more reliable results, but further investigations are necessary for working out a method which would permit the reflection of the distribution of sediment types in conformity with conditions of deposit and properties. The article includes three diagrams of ocean floor soil types of the northern Atlantic Ocean. Orig. art. has: 3 figures and 1 table. [BA]

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 010/ OTH REF: 009/

Card 2/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1

SAVEL'YEVA, K.P.

Bottom sediments in the northern part of the Sea of Azov.
Trudy Inst. okean. 68:166-195 '64. (MIR 17:6)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320009-1"

SAVEL'YEVA, K. P.

Accumulation of recent sediments in the Pestovskoye and
Klyaz'ma Reservoirs. Vop. gidrogeol. i inzh. geol. no. 20:
156-163 '62. (MIRA 16:4)

(Pestovskoye Reservoir—Sediments(Geology))
(Klyaz'ma Reservoir—Sediments(Geology))

GENTSEVA, Revkka Venediktovna; SAVELYEVA, Kladiva Tikhonovna; ARAPOV,
Yu.A., redaktor; SEMENOVA, M.V., redaktor izdatel'stva; KRYNOCHKINA,
K.V., tekhnicheskiy redaktor

[Manual for the identification of uranium minerals] Rukovodstvo po
opredeleniiu uranovykh mineralov. Moskva, Gos. nauchno-tekhn.
izd-vo lit-ry po geol. i okhrane nedor. 1956. 259 p. (MLRA 10:3)
(Uranium ores)

SAUEL'YEA, K.T.

21(1) **NAME I BOOK EXPERTISE** SOV/2714

International Conference on the Peaceful Uses of Atomic Energy - 2nd,
Geneva, 1958

Bulletin Sovetskikh Uchenykh. Rabotnicheskoye Sovershcheye i Reaktornye Sredstva. 2nd.
(Reports of Soviet Scientists; Nuclear Fuel and Reactor Materials) Moscow,
Atomizdat, 1959. 670 p. (Series: Itks: Trudy, vol. 3, 10,000 copies
printed.

Mr. (Title page): A.A. Bocharov, Academician, A.P. Vinogradov, Academician,
V.A. Vasil'yev, Corresponding Member, USSR Academy of Sciences, and
A.M. Savchenko, Doctor of Technical Sciences, Tech. Ed.: E.I. Mazai.
Reviewer and G.M. Pobalintsev, Tech. Ed.: E.I. Mazai.

PURPOSE: This volume is intended for scientists, engineers, physicians, and
budding workers in the production and peaceful application of atomic
energy for purposes of peace. "Students of schools or
higher technical education, where the subject of 'Safety' and for people
interested in atomic science and technology."

CONTENTS: This 11 volumes of a collection of articles presented at the Second International Conference on the
Peaceful Uses of Atomic Energy, held in Geneva from September 1 to 15, 1958.
Volume 3 consists of two parts. The first part, edited by A.I. Zubov, is
devoted to geology, prospecting, concentration, and processing of nuclear
source material. The second part, edited by O.L. Zverev, includes 27 reports
on metallurgy, metallurgy, processing technology of nuclear fuels and
reactor metals, and neutron irradiation effects on metals. The titles of the
individual papers in most cases correspond word for word with those in the
official English language edition on the Conference proceedings. See
Sov/261 for the titles of the other volumes of the set.

Nicholson, T.V., Fed. Narodnaya, M.S. Derzhavtorg, and O.I. Shchurik, The Role of
Script in the Books of Uranium Concentration in Sedimentary Rocks
(Report No. 3039)

SOVAKHIN, R.P. The Experimental Investigation of the Conditions of
Uranium Transport and Deposition by Hydrothermal Solutions (Report No. 2067) 55

Sokolova, Z.N. Some Occurrences of Uranium in Some Coals (Report
No. 2032) 54

Ortakurov, O.M., I.M. Belova, R.V. Dertova, and E.P. Savelyeva.

Geological and Petrographic Features of Oxidation Zones of Hydrothermal Uranium

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